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CENTRAL INTELLIGENCE AGENCY

REPORT

INFORMATION REPORT

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1. The Zbrovka Strakovice plant in Bohemia manufactured 7.92 mm aircraft machine guns during World War II. This caliber was considered to be too light, and this type gun is no longer manufactured.
2. The plant at Vsetin produced 13 mm aircraft machine guns. This gun had a very high rate of fire, and was fired by electric impulse. This firing mechanism was imported. In 1948 there were about 5,000 of these guns in stock at Vsetin, however, the firing mechanism was lacking, and it is my belief that the guns and jigs have all been turned into scrap.
3. A new 30 mm aircraft machine gun was in the blue print stage. This gun had an over-all length of about 52 inches.
4. Extensive tests were conducted with a 30 mm anti-aircraft and anti-tank gun at the Vsetin proving grounds. This gun had a muzzle velocity of 3,300 ft per second, and fired a 430 gram bullet. A "Brand principle" self destructive fuse was used in the steel head of the bullet.
5. no guns were shipped to the USSR from Czechoslovakia in 1948. The Soviets requested the Czech engineers to submit all blue prints, and first models to them. These were then sent to the USSR for further development, and the Czechs heard nothing further about them. The Soviets were primarily interest in anti-air and anti-tank guns, and the Czech improved types of the German 88 mm which had been manufactured at the Skoda works. the Soviets were asking for plans and prototypes which represented a very costly investment - and were not placing orders for the actual manufactured products.
6. Considerable research on a rocket to be fired from aircraft was conducted at Zbrovka Brno. This rocket had no fin stabilizer, and was stabilized by rotation, that is, there were six gas outlets in the tail of the rocket. Five of these were angled, and

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caused the rocket to revolve or whirl as would a shell. The sixth outlet was straight, and kept the rocket on its course. The rocket was launched from a position beneath the fuselage of the plane. A magazine was constructed in such a fashion that it circled the fuselage and fed the launcher in a manner similar to the magazine action on a Colt 38. There was one plane equipped in this fashion.

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ENCLOSURE: Diagram of launching principle.

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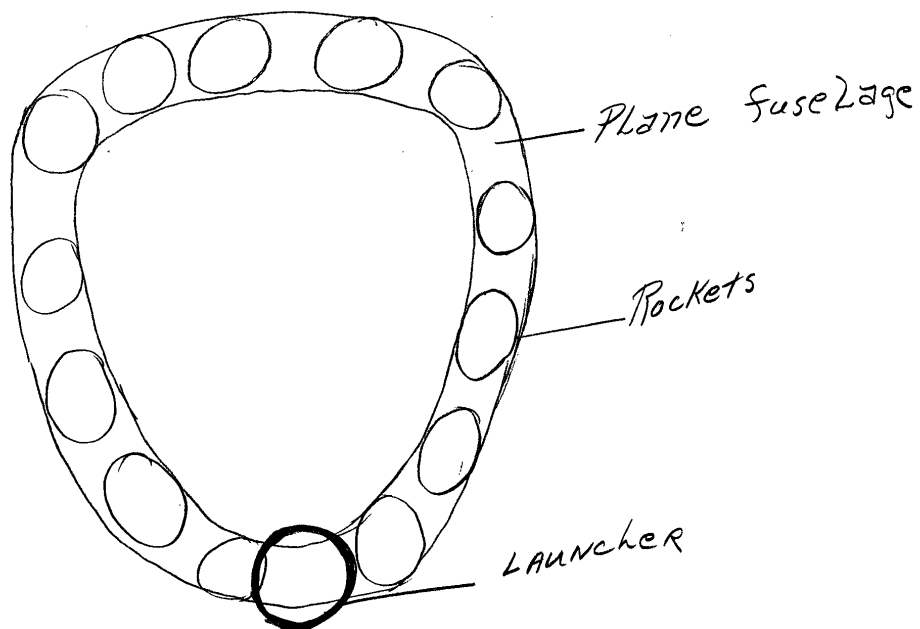
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DIAGRAM of LAUNCHING PRINCIPLE

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